IEEE P802.11
Wireless LANs

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| Clause 8.4.2.171 Comment Resolutions |
| Date: 2015-06-05 |
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Abstract

This document provides proposed comment resolutions for follow comments:

CID #, 1411

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| --- | --- | --- | --- | --- | --- |
| Jouni Malinen | 208 | 1 | 8.4.2.171 | How is the Bloom filter value supposed to be encoded in the m-bit Service Hint Map subfield? The text here does not seem to give any guidance and 10.25.3.4.5 is just defining number of H(j,X,m) functions that return integer values in 0..m-1 range. Annex Za seems to have some language on Bloom filters, but it seems to be focused on describing how to determine what value m to use. Where is the encoding of the m bits to this elements described? | Resolution: Revised. See below |

**8.4.2.171 Service Hint element**

***Change line 2-4 on page 31 as follows***

The m-bit Service Hint Map field provides an indication about the services offered by the AP, using the
Bloom filter. Each service hash *X* is mapped to *k* bit positions that are calculated using the function *H(j,X,m)* where j = 0,…,k-1 as given 10.25.3.4.4. For more information on the operation of the Bloom filter hash function, ~~see section
4 10.25.3.4.5, as well as~~ also see Annex ZA.4

**10.25.3.4.4 Bloom filter Hash function operation**

***Change lines 14 of page 30 as follows***

Let H(*j*,X,*m*) denote the hash function that computes the jth bit position corresponiding the the service hash X.\